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CERTIFICATE OF FACSIMILE TRANSMISSION TO THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

DATE: August 18, 2003

Examiner: Do, Chat C. : RE: U.S. Patent Application  
 Art Unit: 2124 : Serial No.: 09/507,521  
 Fax: 703-746-7238 : Applicant: Min Xie et al.  
 From: Thomas M. Fisher : Atty. Dkt. No.: 15-CT-5271

## DOCUMENTS SUBMITTED WITH TRANSMISSION:

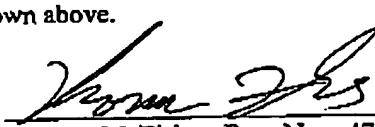
Amendment Transmittal (3 pgs.)  
 Amendment in Response to Office Action of June 17, 2003 (28 pgs.)  
 Fax Transmittal (1 pg.)

Total pages including cover page: 32  
 If all pages are not received, please contact: Linda Driscoll at Ext. 7229

RE: The above referenced U.S. Patent Application  
 Title: METHOD AND APPARATUS FOR FAST NATURAL LOG(X) CALCULATION  
 Filed: February 18, 2000

## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that these papers are being facsimile transmitted to the U.S. Patent and Trademark Office, Facsimile Number 703-746-7238 on the date shown above.

  
 Thomas M. Fisher, Reg. No.: 47,564

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PATENT  
15-CT-5271

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Min Xie et al.

Serial No.: 09/507,521

Filed: February 18, 2000

For: METHOD AND APPARATUS  
FOR FAST NATURAL LOG (X)  
CALCULATIONCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450Art. Unit 221  
Examiner: D.G. Chat C.

## TRANSMITTAL

1. Transmitted herewith is:

Amendment Transmittal (3 pgs.)

Amendment in Response to Office Action dated June 17, 2003 (28 pgs.)

Fax Transmittal (1 pg.)

## STATUS

2. Applicant

Claims small entity status.

is other than a small entity.

## CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: August 18, 2003

## FACSIMILE

Transmitted by facsimile to the Patent and Trademark Office

Thomas M. Fisher  
Reg. No. 43,644

## EXTENSION OF TIME

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

(a)  Applicant petitions for an extension of time under 37 C.F.R. 1.136  
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

| Extension for response<br>within: | Other than small<br>entity Fee | Small entity Fee<br>(if applicable) |
|-----------------------------------|--------------------------------|-------------------------------------|
| first month                       | \$ 115.00                      | \$ 55.00                            |
| Second month                      | \$ 230.00                      | \$ 205.00                           |
| Third month                       | \$ 345.00                      | \$ 465.00                           |
| Fourth month                      | \$ 460.00                      | \$ 725.00                           |
| fifth month                       | \$ 575.00                      | \$ 985.00                           |
|                                   |                                | Fee: \$ _____                       |

If an additional extension of time is required, please consider this a petition therefor.

(Check  to complete the next item, if applicable)

An extension of \_\_\_\_\_ months has already been secured. The fee paid therefor \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request:

GR

(b)  Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overbooked the need for a petition for extension of time.

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## FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

| (Col. 1)<br>CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT | (Col. 2)<br>HIGHEST NO.<br>PREVIOUSLY<br>PAID FOR | (Col. 3)<br>PRESENT<br>EXTRA | (Col. 4)<br>ADDITIONAL<br>RATE FEE | (Col. 5)<br>ADDITIONAL<br>RATE FEE<br>OR | OTHER THAN<br>SMALL ENTITY         |
|---|---|------------------------------|------------------------------------|--|------------------------------------|
|   |   |                              |                                    |  | (Col. 6)<br>ADDITIONAL<br>RATE FEE |
| TOTAL   | MINUS   | = 0                          | x \$18 = \$                        |  |                                    |
| INDEP.  | MINUS   | = 0                          | x \$84 = \$                        |  |                                    |
|   | FIRST PRESENTATION OF MULTIPLE DEP. CLAIM         |                              |                                    |  | + \$280 = \$                       |
|   |   |                              |                                    |  | TOTAL ADDITIONAL<br>FEE \$         |

(a)  No additional fee for claims is required.

OR

(b)  Total additional fee for claims required \$

## FEE PAYMENT

5.  Attached is a check in the sum of \$

Charge Deposit Account No. 01-2384 the sum of \$  
A duplicate of this transmittal is attached.

## FEE DERISSION

6.  If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

## AND/OR

If any additional fee for claims is required charge Deposit Account No. 01-2384.

7.  Other:

Thomas J. Fisher, Reg. No. 47,564  
ARMSTRONG TEASDALE LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102-2740  
314/533-3070

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Applicant: Min Xie et al.

Serial No.: 09/507,521

Filed: February 18, 2000

For: METHOD AND APPARATUS  
FOR FAST NATURAL LOG(X)  
CALCULATION

Att Uta 10/23/03

Examiner: D. Chat C.

#12/  
A.E.  
f. C.H.  
10-23-03

## AMENDMENT

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated June 17, 2003 and made final, in accordance with 37 C.F.R. §1.116, Applicants respectfully request consideration of the following amendment.